

## SPRAY DATA ANALYSIS AND CHARACTERIZATION SYSTEM

## ABSTRACT OF THE DISCLOSURE

A method of and system for analyzing image data representative of a sequential set of images of a spray plume, each of the images being representative of a density characteristic of the spray plume (i) along a geometric plane that intersects the spray plume, and (ii) at a predetermined instant in time, that in one aspect comprises sequentially displaying the set of images so as to exhibit a time evolution of the spray plume along the geometric plane. The invention may further integrate the set of images so as to exhibit a time-average representation of the images. In one embodiment, the invention comprises a general purpose computer executing software that receives and sequentially displays the set of images so as to exhibit a time evolution of the spray plume along the geometric plane, and provides a user interface for measuring one or more spray plume parameters associated with the spray plume within one or more of the images.